Nitrate + Nitrite by SEAL AQ2 Discrete Analyzer
SEAL Method EPA-127-A Rev. 5 **Page 1 of 2**

Facility Name:_____VELAP ID_____

Assessor Name:_____Analyst Name:_____Inspection Date_____

Relevant Aspect of Standards	Method Reference	Y	N	N/A	Comments
Records Examined: SOP Number/ Revision/ Date _____ Analyst:_____ Sample ID: _____ Date of Sample Preparation:_____ Date of Analysis:_____					
Is the linear calibration range determined initially, and does it contain a minimum of a blank and three standards?	Method Supplement 1, Rev. 2 (MS) 3.2.1				
Is linearity reestablished if any verification data exceeds initial calibration values by ±10%?	MS 3.2.1				
Is a laboratory control sample analyzed with every batch, and is recovery within ±10% of the stated value?	MS 3.4.3				
Are method detection limits established?	MS 3.4.3				
Is at least one method blank carried through all the procedural steps with each batch?	MS 3.4.1.1				
Is the initial calibration verified using a second source or certified standard other than the quality control sample?	MS 4.4				
Is the calibration verified using a calibration standard after every ten samples or every analytical batch?	*MS* 4.5				
Is a minimum of 10% of all samples spiked with the stock standard?	*MS* 3.3.1				
If matrix interference is present, are results not reported for regulatory compliance purposes?	*MS* 3.3.1.4.1				
For compliance monitoring, is the concentration of the matrix spike at the regulatory limit OR 1 to 5 times higher than the background concentration of the sample?	MS 3.3.1.1.1				
For nitrate in drinking water, are samples preserved at 4°C and analyzed within 48 hours of collection unless the sample is chlorinated? If chlorinated, analyze within 14 days.	8.2.1				
For nitrite in drinking water, are samples preserved at 4°C and analyzed within 48 hours?	8.2.2				
Notes/Comments:					

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Assessor Name:_____Analyst Name:_____Inspection Date_____

Relevant Aspect of Standards	Method Reference	Y	N	N/A	Comments
For nitrate + nitrite in drinking water, are samples preserved by acidifying to pH<2 with sulfuric acid and analyzed within 28 days?	8.2.3				
For nitrate in nonpotable water, are samples preserved at 4ºC and analyzed within 48 hours?	8.3.1				
For nitrite in nonpotable water, are samples preserved at 4ºC and analyzed within 48 hours?	8.3.2				
For nitrate + nitrite in nonpotable water, are samples acidified to pH<2 with sulfuric acid, preserved at 4ºC, and analyzed within 28 days?	8.3.3				
Is ASTM Type II water or better used for all solutions?	7.1				
Is the color reagent filtered at time of use?	10.1				
Are chlorinated samples dechlorinated with sodium thiosulfate (not in excess) prior to analysis?	11.2				
Are test parameters set as specified in the method? These include 500 µL sample volume, 25 second reduction time, 420 second reaction time, 520 nm wavelength, 190 µL ammonium chloride buffer, and 350 µL sulfanilamide-NEDD.	17.1				

Notes/Comments: